

A high-angle, low-perspective shot of a swimmer in a pool lane. The swimmer is in the middle of a stroke, with water splashing around their head and arms. The pool lane is marked with blue and white lane lines that recede into the distance. The water is a clear, bright blue. The overall scene is dynamic and captures the motion of swimming.

# Aquatic Centres and Splash Parks

Design  
and management for sustainability

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Director @leisure

# Swimming pools cost a lot of money

(construction, supervision,  
energy and water)

# .....its less about swimming than ever

- Reducing drownings; in water safety education and improving swimming competency
- Reducing obesity and increasing health and wellbeing including mental health
- Cooling off in increasingly hot weather



# Splash rather than swim?

- More splash parks being built than pools
- IWF don't have the same benefits
- Need careful choice - lots of different types of splash parks

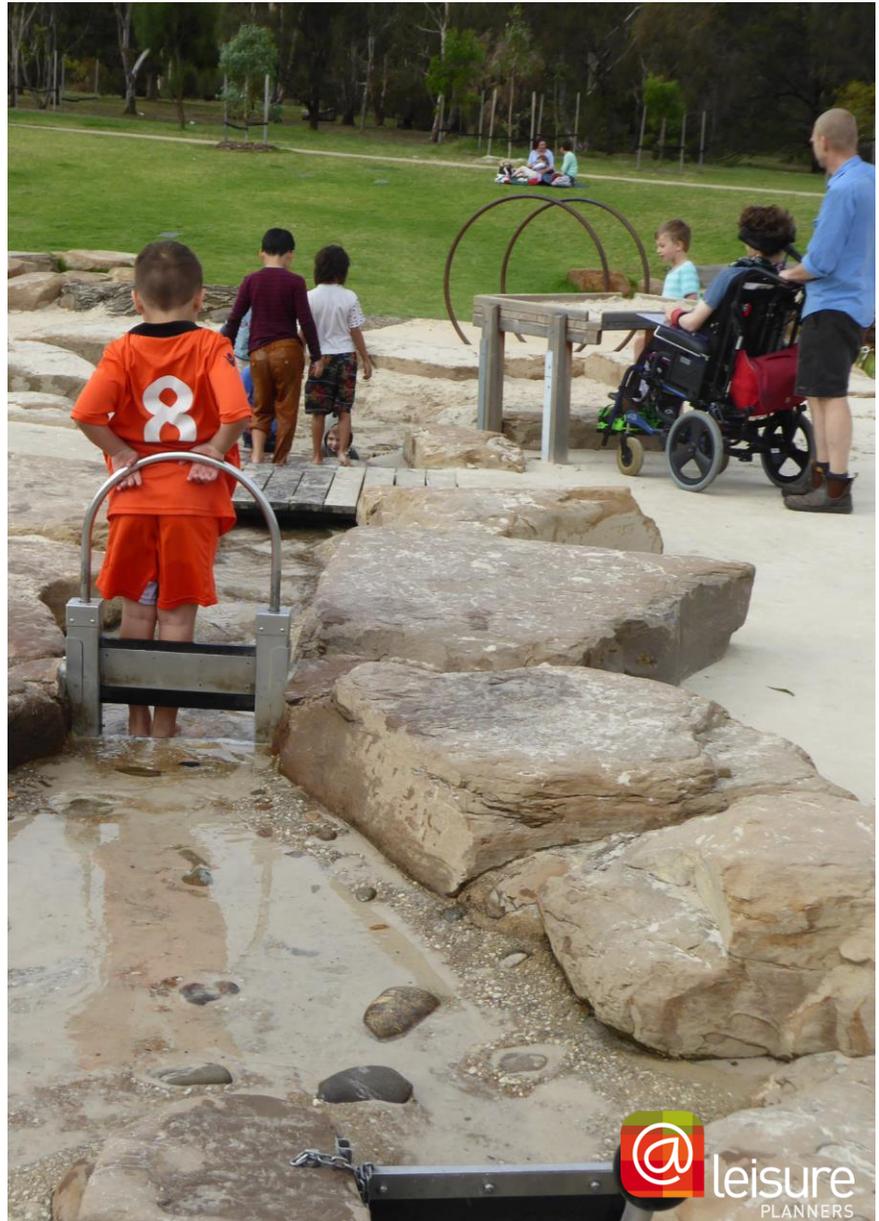






수영장 이용시간: 10:00 ~ 18:00 (15:00까지)  
수영장 이용료: 10,000원 (15:00까지)

















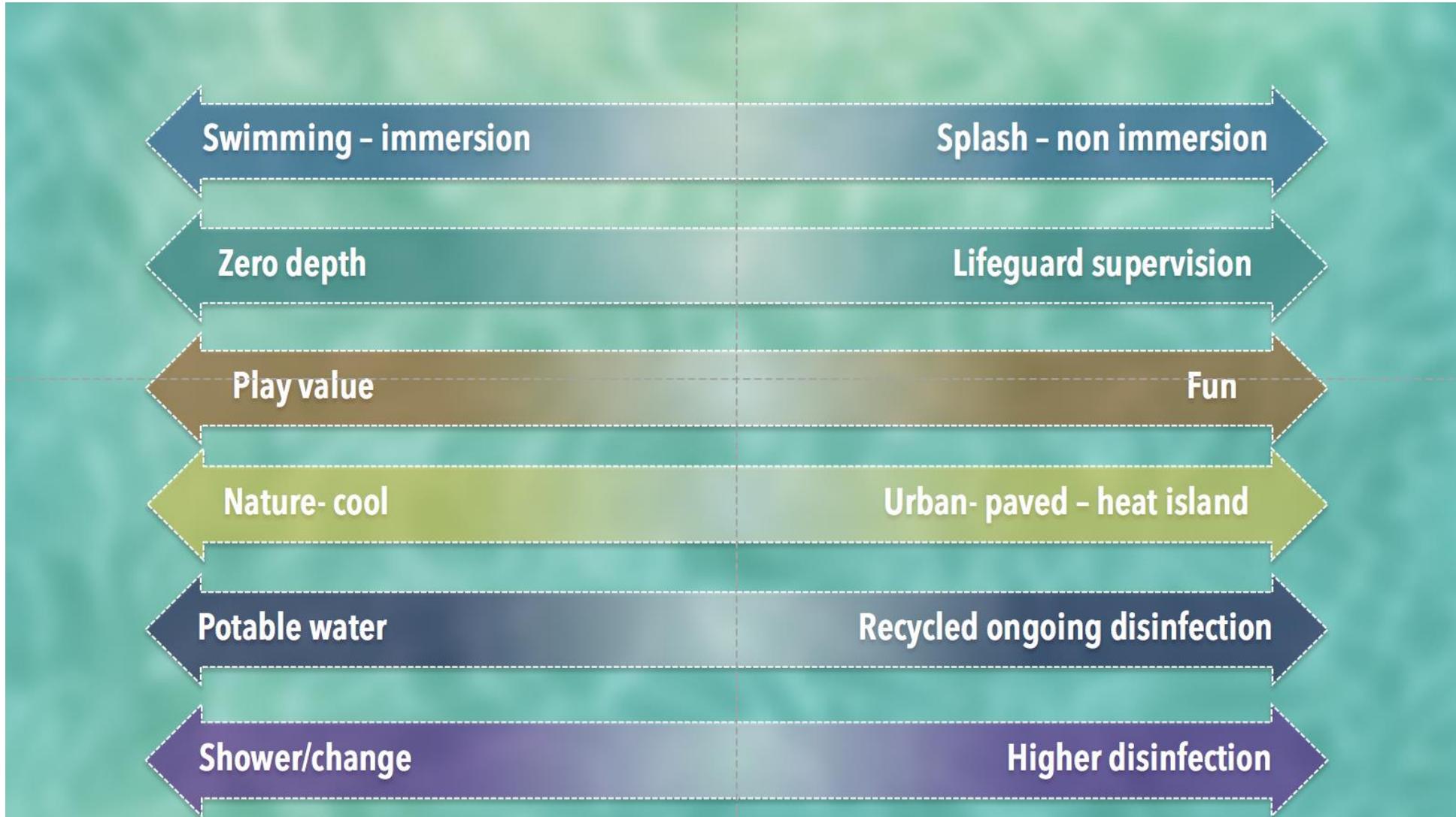


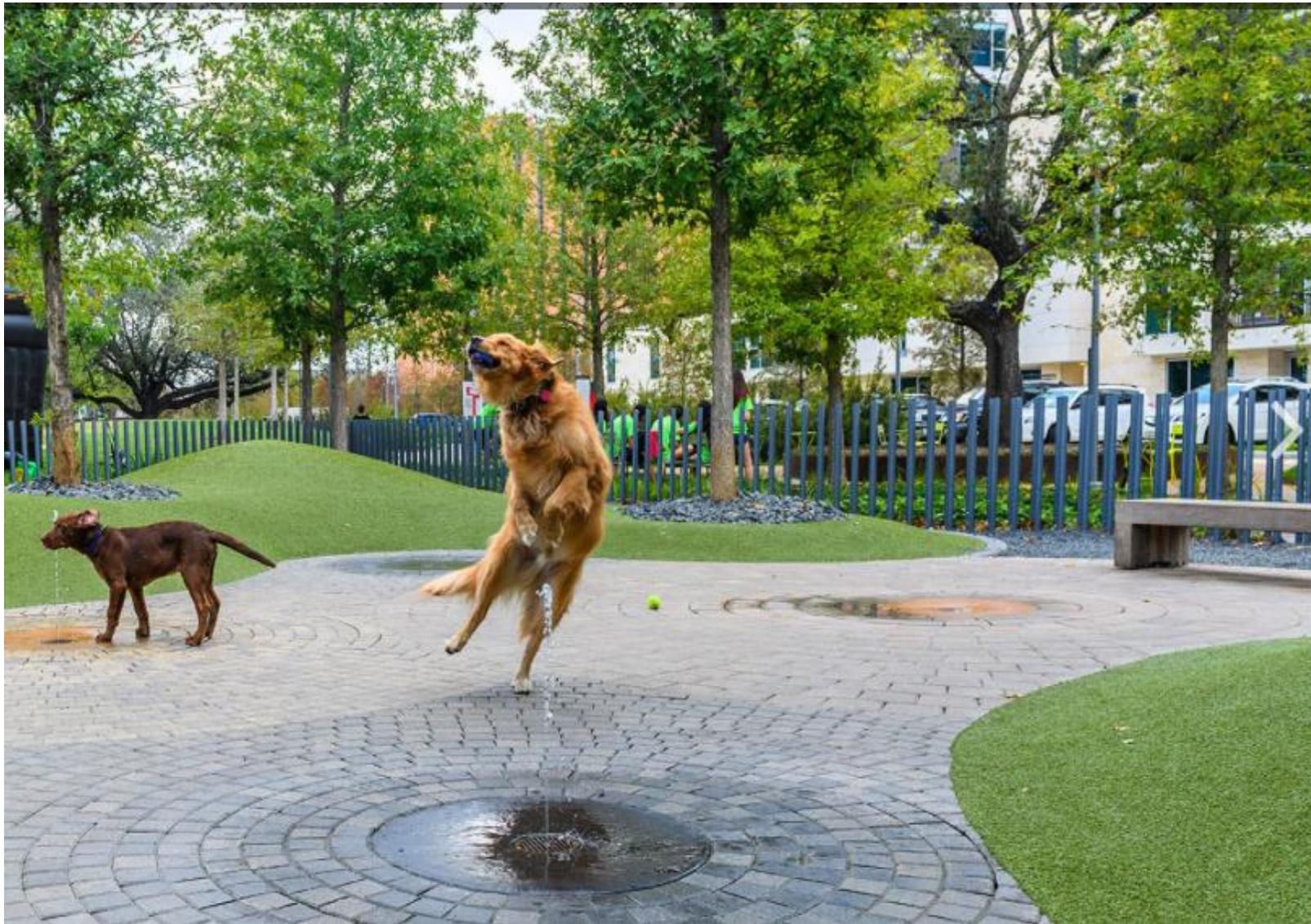






# INTERACTIVE WATER FEATURES - OBJECTIVES / DECISION CONTINUUM









# Reduce energy use

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Daylight- Building design and /or  
motion sensors for lighting

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Solar PV systems

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Solar for pool water heating  
systems

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Minimise water loss: unnecessary  
heating and filtration.

Water-  
focus on  
simple  
measures

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Prevent loss from leaks and evaporation

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Reuse/ recycle backwash

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WS fittings: shower systems, basin systems  
and toilets. Can achieve 50% saving

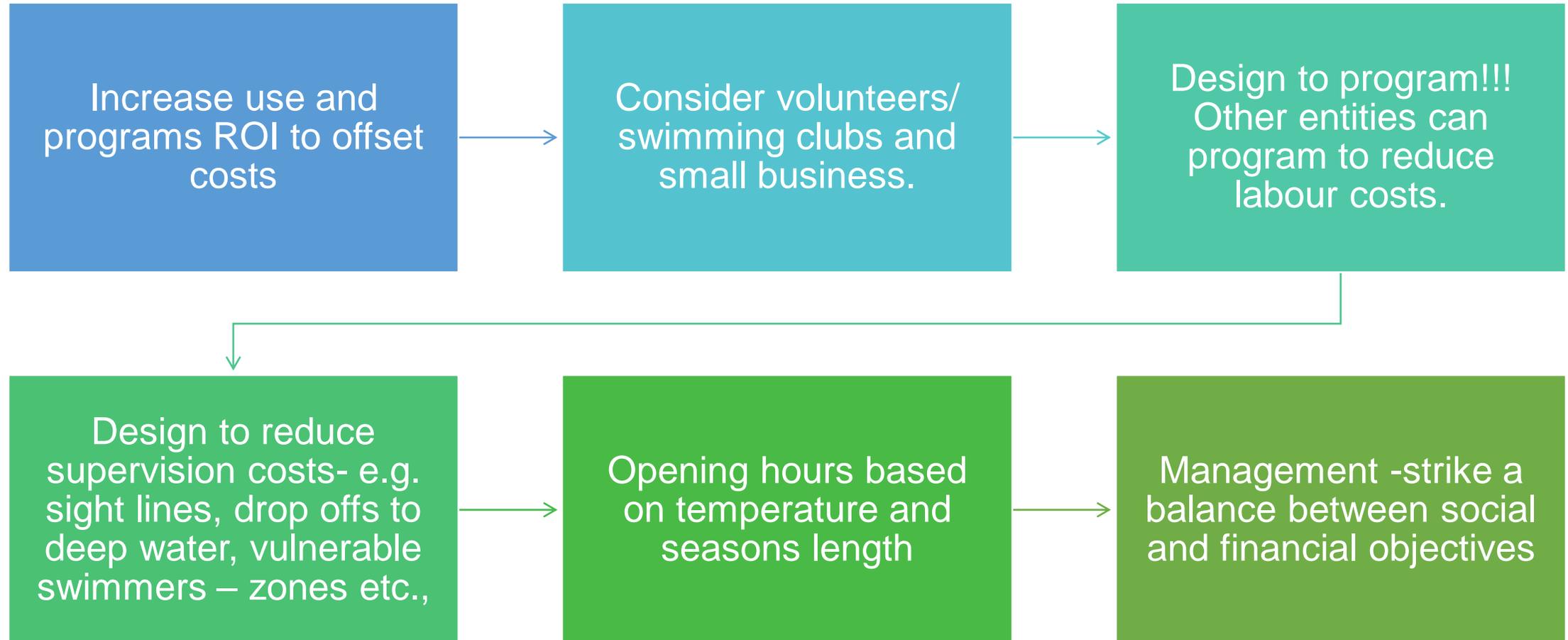
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Keeping pool covers on

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Filter choice

# Labour costs/ use





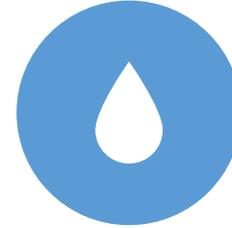
THE RIGHT  
POOL FOR THE  
MARKET AND  
THE  
OBJECTIVES



REPLACE OLD  
INFRASTRUCTURE



CAREFUL  
BUILDING  
DESIGN



REDUCE  
ENERGY AND  
WATER USE –  
SIMPLE  
MEASURE



CAREFUL  
MANAGEMENT  
TO INCREASE  
RETURN ON  
LABOUR  
COSTS

## SUMMARY:

**How can you make Aquatic centres more sustainable?**



Thank you



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